

PATENT  
ATTORNEY DOCKET: 46884-5319

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
Fumitsugu FUKUYO et al. ) Confirmation No.: 2791  
)  
Application No.: 10/507,340 ) Group Art Unit: 3724  
)  
Filing Date: June 17, 2005 ) Examiner: Unassigned  
)  
For: METHOD OF CUTTING OBJECT TO )  
BE PROCESSED )

Commissioner for Patents  
U.S. Patent and Trademark Office  
**Customer Window Mail Stop:** ☒ Amendment ☐ AF ☐ Issue Fee  
Alexandria, VA 22314

Sir:

**INFORMATION DISCLOSURE STATEMENT (IDS)**

☒ **Under 37 C.F.R. § 1.97(b):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the undersigned's knowledge, this IDS is being filed before the mailing date of a first Office Action on the merits, before the mailing date of a first Office Action on the merits after filing an RCE under § 1.114, or within three months of the application filing date.

☐ **Under 37 C.F.R. § 1.97(c):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(b) but, to the undersigned's knowledge, before the mailing date of a Final Office Action, a Notice of Allowance, or another action that closes prosecution in the application.

☐ The fee of \$180.00 set forth in § 1.17(p) is included herein; or

☐ Applicant submits that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ **Under 37 C.F.R. § 1.97(d):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(c) but before payment of the issue fee.

☐ The fee of \$180.00 set forth in § 1.17(p) is included herein; and

- ☐ Applicant submits that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ **Under 37 C.F.R. § 1.97(i):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(i), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(d). Applicant requests that the IDS be placed in the file.
- ☐ A search report or other listing of documents from a counterpart, related, or other application dated \_\_\_\_\_ and having documents cited thereon is attached for the Examiner's consideration. Any of these documents not previously cited, and any additional documents are listed on the PTO Form 1449.
- ☒ Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. As for any document listed on the accompanying PTO-1449 that is in a language other than English, relevance can be understood from an enclosed English abstract or at least partial translation or from mention in the specification or in a search report for a corresponding application.
- This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that any of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.
- Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.
- Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

**DRINKER, BIDDLE & REATH LLP**

  
Peter J. Sistare

Registration No. 48,183

Dated: April 26, 2007

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Receipt date: 04/26/2007

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Applicants:

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Filing Date:

Group Art Unit:

June 17, 2005

3724

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

PTO Form 1449

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Die/ (09/03/2008)

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	2004/0002199	January 1, 2004	Fukuyo et al.	-	-	
	2005/0189330	September 1, 2005	Fukuyo et al.	-	-	
	2006/0040473	February 23, 2006	Fukuyo et al.	-	-	
	3,626,141	December 7, 1971	Daly, Richard T.	-	-	
	3,790,051	February 5, 1974	Moore	-	-	
	4,531,060	July 23, 1985	Suwa et al.	-	-	
	5,230,184	July 27, 1993	Bukhman	-	-	
	5,841,543	November 24, 1998	Guldi et al.	-	-	
	5,925,271	July 20, 1999	Polluck et al.	-	-	
	5,968,382	October 19, 1999	Matsumoto	-	-	
	5,976,392	November 2, 1999	Chen	-	-	
	6,175,096	January 16, 2001	Nielsen	-	-	
	6,325,855	December 4, 2001	Sillmon et al.	-	-	
	6,992,026	January 31, 2006	Fukuyo et al.	-	-	
	2002/0170896	November 21, 2002	Choo et al.	-	-	
	3,610,871	October 5, 1971	Lumley, Robert M.	-	-	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Die/ (09/03/2008)

Document Number	Date	Country	Class	Sub Class	Translation YES	NO
EP 0 863 231	September 9, 1998	Europe				
WO 01/90709 A1	November 29, 2001	PCT			Abstract	
WO 02/22301	March 21, 1002	PCT			Abstract	
03-234043	October 18, 1991	Japan			Abstract	
04-029352	January 31, 1992	Japan			Abstract	
04-356942	December 10, 1992	Japan			Abstract	
08-197271	August 6, 1996	Japan			Abstract	
10-071483	March 17, 1998	Japan			Abstract	
10-214997	August 11, 1998	Japan			Abstract	
10-233373	September 2, 1998	Japan			Abstract	
2000-104040	April 11, 2000	Japan			Abstract	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

F. Fukuyo, "The Stealth Dicing Technologies and Their Applications," Journal of Japan Laser Processing Society, Vol. 12, No. 1, February 2005, pp. 17-23, with English translation.

R. Sugiura et al., "The Stealth Dicing Technologies and Their Applications," Proceedings of the 63<sup>rd</sup> Laser Materials Processing Conference, May 2005, pp. 115-123, with English abstract.

A. Ishii et al., "CO2 Laser Processing Technology, Nikkan Kogyo Publishing Production, December 21, 1992, pps. 63-65 (with partial English translation)

Journal of the Japan Society of Gridding Engineers, Vol. 47, No. 5, May 2003, pps. 229-231, English translation.

The 6<sup>th</sup> International Symposium on Laser Precision Microfabrication, April 2005, Symposium Program and Technical Digest, including F. Fukuyo et al., "Stealth Dicing Technologies and Their Applications," English abstract.

Examiner /Dung A. Le/ (09/03/2008) Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	Attorney Docket No.: 46884-5319	Serial No.: 10/507,340
	Applicants: Fumitsugu FUKUYO et al.	Page 2 of 2
<b>PTO Form 1449</b>	Filing Date: June 17, 2005	Group Art Unit: 3724

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub Class	Translation	
							YES	NO
		2000-195828	July 14, 2000	Japan			Abstract	
		2000-216114	August 4, 2000	Japan			Abstract	
		2001-127015	May 11, 2001	Japan			Abstract	
		2001-250798	September 14, 2001	Japan			Abstract	
		2002-050589	February 15, 2002	Japan			Abstract	
		2002-192368	July 10, 2002	Japan			Abstract	
		2002-192370	July 10, 2002	Japan			Abstract	
		2002-205181	July 23, 2002	Japan			Abstract	
		2002-224878	August 13, 2002	Japan			Abstract	
		2002-226796	August 14, 2002	Japan			Abstract	
		2003-001458	January 8, 2003	Japan			Abstract	
		2005-047290	February 24, 2005	Japan			Abstract	
		2005-313237	November 10, 2005	Japan			Abstract	
		60-55640	March 30, 1985	Japan			Abstract	
		62-004341	October 1, 1987	Japan			Abstract	
		64-038209	February 8, 1989	Japan			Abstract	
		KR2001-017690 (Abstract)	August 13, 1999	Korea			Abstract	
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Dle/ (09/03/2008)								

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Examiner	/Dung A. Le/ (09/03/2008)	Date Considered
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		